

## CLAIMS

1. A device for transmitting simulation models (11, 18) between simulators (10, 17),
  - having a first input/output element (22), to which the simulation model (11) can be transmitted from the first simulator (10);
  - having a processing unit (24), which, following the transmission of the simulation model (11), separates the model into individual operators (12) and stores the operator association (16), wherein the operators (12) that can be integrated, as external operators (19) and with semantic equivalence, by the second simulator (17) with the aid of the operator association (16) can be compiled into an operator library (15); and
  - having a second input/output element (23), which outputs the operator library (15) and additionally provides the operator association (16).
2. The device according to claim 1, characterized in that the simulation model (11) can be separated into base

operators (12), which can be exported, in a universal, simulator-readable form, into an operator library (15).

3. The device according to claim 2, characterized by a first exported operator library (14) that is present in the form of compilable source codes and can be converted through compilation into an integratable operator library (15).

4. The device according to one of claims 1 through 3, characterized by a second input/output element (23), which both exports and imports the operator association (16), wherein the processing unit (24) creates a simulation model (11) with internal operators (12) of the first simulator (10), the simulation model (11) having been altered correspondingly by a second simulator (17) and being suitable to be transmitted back to the first simulator (10) by way of the first input/output element (22).

5. The device according to claims 1 through 4, characterized in that it is an integrated component of one of the simulators (10, 17).

6. A method for transmitting a simulation model between a first and a second simulator, in which

- the simulation model of the first simulator is separated into its operators;
- the operators are exported into an operator library such that they can be integrated, semantically correctly, by the second simulator; and
- in addition to the operator library, an operator association is exported, which can be read by both the first and second simulators and forms the basis of the simulation model.

7. The method according to claim 6, characterized in that the exported operator library, comprising source codes, is converted through compilation into an integratable operator library for the second simulator, which causes the operators in the simulation model of the second simulator to become external operators whose semantics match those of the operators of the first simulator.

8. The method according to claim 7, characterized in that the exported operator library comprises source codes, and the integratable operator library comprises an object code, which the second simulator links as external operators.

9. The method according to claims 7 and 8, characterized in that the operator association represents the simulation model on the basis of the exported operators.